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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	
09/657,616	05, 38/2000	HIROKATSU MIYATA		CONFIRMATION NO.
		AMORNIO MITATA	35.C14776	2679
	7590 12/24/2002			
FITZPATRIC	TRICK CELLA HARPER & SCINTO			
30 ROCKEFE	LLER PLAZA	-	EXAMI	2679 MINER HAI PAPER NUMBER
NEW YORK,	NEW YORK, NY 10112		VO, HAI	
		A POTATO NO.		
			ART UNIT	PAPER NUMBER
			1771	
			DATE MAILED: 12/24/2002	. 1 _

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	W. F
lacksquare	Application No.	Applicant(s)
Office Action Summary	09/657,616	MIYATA, HIROKATSU
Office Action Summary	Examiner	Art Unit
The MAILING DATE CH	Hai Vo	1771
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet wi	th the correspondence address
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a r - If NO period for reply is specified above, the maximum statutory perion - Failure to reply within the set or extended period for reply will, by state - Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b). Status	N. 1.136(a). In no event, however, may a re- reply within the statutory minimum of thirty od will apply and will expire SIX (6) MON'	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication.
1) Responsive to communication(s) filed on 10	lish	
0.157		
20/	This action is non-final.	
3) Since this application is in condition for allocal closed in accordance with the practice under Disposition of Claims	wance except for formal matt er <i>Ex part</i> e <i>Quayl</i> e, 1935 C.D	ters, prosecution as to the merits is 0. 11, 453 O.G. 213.
4) Claim(s) 1-41 is/are pending in the application	on.	
4a) Of the above claim(s) 1-22 is/are withdra		
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>23-25,27-38,40 and 41</u> is/are reject	ed.	
7)⊠ Claim(s) <u>26 and 39</u> is/are objected to.		
8) Claim(s) are subject to restriction and	or election requirement	
Application Papers	or oversion requirement.	
9)☐ The specification is objected to by the Examin	ner.	
10)☐ The drawing(s) filed on is/are: a)☐ acc	epted or b)□ objected to by th	e Examiner.
Applicant may not request that any objection to t		
11)☐ The proposed drawing correction filed on	_ is: a)□ approved b)□ dis	
If approved, corrected drawings are required in re	eply to this Office action.	
12)☐ The oath or declaration is objected to by the E	xaminer.	
Priority under 35 U.S.C. §§ 119 and 120		
13)☐ Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C. §	119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:	_	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
 Certified copies of the priority document 	nts have been received.	
Certified copies of the priority document		olication No.
 3. Copies of the certified copies of the price application from the International But See the attached detailed Office action for a list 	ority documents have been re	eceived in this National Stage
14) ☐ Acknowledgment is made of a claim for domest	tic priority under 35 U.S.C. &	119(e) (to a provisional applications)
a) ☐ The translation of the foreign language pro	ovisional application has bee	n received
ttachment(s)	are priority under 00 0.0.0, g	y 120 anu/01 121.
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 1	E) Nation of the	mmary (PTO-413) Paper No(s) ormal Patent Application (PTO-152)
Patent and Trademark Office O-326 (Rev. 04-01) Office A	ction Summary	Part of Paper No. 12

Application/Control Number: 09/657,616

Art Unit: 1771

Election/Restrictions

 The examiner absolutely agrees that Applicant reserves the right to request rejoinder of method claims upon indication of the product claims as being allowable.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 23-25, 27-30, 32, 33, 35, 40 and 41 are rejected under 35 U.S.C. 102(a) and 102(e) as being anticipated by Ozin et al (US 6,027,666) substantially as set forth in Paper no. 9. With regard to newly added claims 40 and 41, Ozin teaches the surfactant 22 contained in the pore structure (figure 2, column 4, lines 1-8). Ozin anticipates the claimed subject matter.

Claim Rejections - 35 USC § 103

Page 3

Application/Control Number: 09/657,616

Art Unit: 1771

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- Claim 31 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ozin et al (US 6,027,666) as applied to claim 23 above, in view of Itoh et al (US 4,919,810) substantially as set forth in Paper no. 9.
- 6. Claim 34 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ozin et al (US 6,027,666) as applied to claim 23 above, in view of Ward et al (US 3,962,205) substantially as set forth in Paper no. 9.
- 7. Claim 36, 37, and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ozin et al (US 6,027,666) as applied to claim 23 above in view of Leung et al (US 6,171,687) substantially as set forth in Paper no. 9. With regard to newly added claims 37 and 38, Leung teaches an infiltrating nanoporous material 132 comprising a volatile component 136 and a reinforcing component 138 (column 5, lines 24-26). Leung discloses the reinforcing component being formed from poly(arylene ether) which has a functional group different from the methylene groups in the repeating unit. It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate into the support film of Ozin a reinforcement material having a functional group different from the methylene groups in the repeating unit as suggested by Leung motivated by the desire to form a good orientation of the mesoporous material film.

Application/Control Number: 09/657,616 Page 4

Art Unit: 1771

Allowable Subject Matter

8. Claims 26 and 39 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. None of the prior art discloses or suggests the mesostructure thin film having a recited structure as set forth in claim 23 wherein the surface of the polymer compound on which the mesostructure thin film is formed is uniaxially oriented.

Response to Arguments

- Applicant's arguments filed 10/07/2002 have been fully considered but they are not persuasive.
- 10. The 112 claim rejections have been overcome by the present amendment.
- 11. The art rejections in Paper no. 9 have been maintained because of the following reasons. Applicant argues that Ozin does not teach the formed mesostructure is uniaxially oriented. This is not found to be persuasive. Ozin does teach the mesostructure thin film being oriented (column 4, lines 3-8). Figures 1 and 2 of Ozin further describe the mesostructure thin film being uniaxially oriented (column 5, lines 1-25).

Conclusion

12. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed

Art Unit: 1771

within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai. Vo whose telephone number is (703) 605-4426. The examiner can normally be reached on Tue-Fri, 8:30-6:00 and on alternating Mondays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris can be reached on (703) 308-2414. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

TERREL MORRIS SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700

Jai 10
12/22/02